

USE PRECAUTIONS

Read all precautions and directions for use before using.

Use only for claims listed and only as specified on this label.

Toxic to fish and wildlife. Keep out of lakes, streams and ponds. Do not apply when weather conditions favor drift from areas treated. Do not apply where run-off is likely to occur. Do not contaminate water by cleaning of equipment or disposal of wastes.

This product is toxic to bees and should not be applied when bees are actively visiting the area.

In order that pesticidal residues on food and forage crops will not exceed tolerances established by the Federal Food and Drug Administration, use only at recommended rates and intervals, and do not apply closer to harvest than specified. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals or onto adjoining food, fiber or pasture crops. The grower is responsible for residues on his crops as well as for damages caused by drift from his property to that of others.

Consult state agricultural extension service or state agricultural experiment stations for additional information, as the timing, number, and rate of applications needed will vary with local conditions.

Rinse spray equipment and containers. Bury liquid waste in pit in non-crop lands located away from water supplies.

DO NOT REUSE EMPTY CONTAINER. PERFORATE EMPTY METAL CONTAINERS. CRUSH & BURY GLASS IN SAFE PLACE.

USDA Reg. No. 476-1200

DIRECTIONS FOR USE

Application can be made by aircraft or ground power equipment by trained personnel. Pour specified amount of this product into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. If mixture does not mix readily, but tends to separate as an oily layer, do not use as injury to plants may result. Do not combine with wettable powders unless previous use of the mixture has proven physically compatible and safe to plants. Always thoroughly emulsify this product with at least half of total water before adding wettable powder.

Maximum permissible rate per acre, expressed as Perthane 4-E, is given in parenthesis, (), after each crop claim.

AIRCRAFT AND GROUND EQUIPMENT WATER RATES PER ACRE

Unless specified for certain crops or claims use the following water rates:

AIRCRAFT APPLICATION

Vegetable & Field Crops—use 1-10 gals. diluted spray per acre.

Orchard Crops—use 5-20 gals. diluted spray per acre.

GROUND EQUIPMENT:

The amount of water needed to treat an acre varies, therefore the following rates are given to cover a broad range of conditions (except as noted for specific crops):

VEGETABLE—20-100 gal. water/acre.

FRUIT CROPS—Unless otherwise specified, rates are given in terms of Perthane 4-E per 100 gal. of water for thorough coverage application.



PERTHANE^{*}

AGRICULTURAL INSECTICIDE

EMULSIFIABLE LIQUID

4-E

ACTIVE INGREDIENTS:

Diethyl Diphenyl Dichloroethane.....	42.6%
Related Reaction Products.....	5.8%
Xylene Range Aromatic Hydrocarbon Solvent.....	47.7%
INERT INGREDIENTS.....	3.9%
<hr/>	
*T.M. Rohm & Haas Co. Contains 4 lbs. Perthane per gallon	100.0%

CAUTION HARMFUL IF SWALLOWED

Keep Out of Reach of Children

Avoid breathing spray mist. Avoid contact with skin. In case of skin contact wash immediately with soap and water. Do not contaminate food and feed.

Not for use or storage in or around the home.

COMBUSTIBLE—Do not use or store near heat or open flame.

Protect from temperatures below 32° F. Product crystallizes at lower temperatures. Warm or store at higher temperatures and mix to redissolve crystals and assure uniformity before use.

GAL. NET

MADE IN U.S.A.

STAUFFER CHEMICAL COMPANY

OR, N.Y.

ACCEPTED
10-14-70
476-1200
UNDER THE FEDERAL INSECTICIDE ACT
FOR ECONOMIC PEST CONTROL
REGISTERED UNDER NO. 476-1200
SUBJECT TO ATTACHED COMMENTS

LABEL SPECIMEN

Stauffer

RECOMMENDATIONS — Also read PRECAUTIONS and DIRECTIONS FOR USE

PERTHANE

AGRICULTURAL INSECTICIDE
EMULSIFIABLE LIQUID

4-E

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Diethyl Diphenyl Dichloroethane.....	42.6%
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CAUTION
HARMFUL IF SWALLOWED

Keep Out of Reach of Children

Avoid breathing spray mist. Avoid contact with skin. In case of skin contact wash immediately with soap and water. Do not contaminate food and feed.
Not for use or storage in or around the home.
COMBUSTIBLE—Do not use or store near heat or open flame.

CHERRIES—For control of cherry fruit fly use 1 qt. PERTHANE 4-E in 100 gallons of water. Thorough, full-coverage applications should be made beginning when the adult flies appear, usually just after the blossom buds open. A second application should be made after the shucks have fallen from the young cherries and repeated every 10 days or as required to within 2 days of harvest. An additional spray after harvest is suggested, especially if high temperatures have kept flies active. (2½ gal.)

PEARS—For control of pear psylla. Use 1 quart of PERTHANE 4-E per 100 gallons of water and apply sufficient to provide 8 lbs. active ingredient per acre per application. Apply up to 4 cover sprays starting in late May or early June. The first two cover sprays should be applied 7 to 14 days apart and if more cover sprays are necessary wait 30 days and apply two additional sprays 7 to 14 days apart. The fourth cover spray should not be applied closer than 7 days prior to harvest. (4 gal.)

COLE CROPS (Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Kohlrabi)—Cabbage looper, imported cabbage worm. Apply 1 quart Perthane 4-E per acre in sufficient water to provide good coverage. Apply as soon as insects appear. Repeat applications at 7-10 day intervals or as needed to achieve control. Do not apply later than 3 days before harvest. (1 qt.)

Where necessary to control overwintering or early spring pear psylla populations a pre-bloom application of 8 lbs. per acre may be made. To reduce tree injury from psylla toxin a post harvest spray of PERTHANE is recommended.

PERTHANE may be used in orchards where pears are interplanted with apples but do not use the treated apples in the manufacture of apple pomace for livestock feed.

LETTUCE—Alfalfa looper, cabbage looper, imported cabbage worm, leafhoppers—apply 1 quart Perthane 4-E per acre in sufficient water to provide good coverage. Apply as soon as insects appear. Repeat applications at intervals of 7-10 days, or as needed to maintain control. Do not apply later than 4 days before harvest. (2 qt.)

SPINACH—Cabbage looper, leafhoppers—Apply 1 quart Perthane 4-E per acre in sufficient water to provide good coverage. Apply as soon as insects appear. Repeat at intervals of 7-10 days or as needed to maintain control. Do not apply later than 7 days before harvest. (1 qt.)

NOTICE: Stauffer Chemical Company makes no warranty, express or implied, including the warranties of merchantability and/or fitness for any particular purpose, concerning this material, except those which are contained on Stauffer's label.

1 GAL. NET
MADE IN U.S.A.
STAUFFER CHEMICAL COMPANY

LOT NO. _____

S-SF-700715-NP

ACCEPTED
10-14-70
476-1200
UNDER THE FEDERAL INSECTICIDE ACT
FOR ECONOMIC PESTICIDE CONTROL ACT
REGISTERED UNDER NO. _____ SUBJECT TO ATTACHED COMMENTS.

USE PRECAUTIONS

Read all precautions and directions for use before using.

Use only for claims listed and only as specified on this label.

Toxic to fish and wildlife. Keep out of lakes, streams, and ponds. Do not apply when weather conditions favor drift from areas treated. Do not apply where run-off is likely to occur. Do not contaminate water by cleaning of equipment or disposal of wastes.

This product is toxic to bees and should not be applied when bees are actively visiting the area.

In order that pesticidal residues on food and forage crops will not exceed tolerances established by the Federal Food and Drug Administration, use only at recommended rates and intervals, and do not apply closer to harvest than specified. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals or onto adjoining food, fiber or pasture crops. **The grower is responsible** for residues on his crops as well as for damages caused by drift from his property to that of others.

Consult state agricultural extension service or state agricultural experiment stations for additional information, as the timing, number, and rate of applications needed will vary with local conditions.

Rinse spray equipment and containers. Bury liquid waste in pit in non-crop lands located away from water supplies.

DO NOT REUSE EMPTY CONTAINER. PERFORATE EMPTY METAL CONTAINERS. CRUSH & BURY GLASS IN SAFE PLACE.

USDA Reg. No. 476-1200

DIRECTIONS FOR USE

Application can be made by aircraft or ground power equipment by trained personnel. Put specified amount of this product into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. If mixture does not mix readily, but tends to separate as an oily layer, do not use as injury to plants may result. Do not combine with wettable powders unless previous use of the mixture has proven physically compatible and safe to plants. **Always** thoroughly emulsify this product with at least half of total water **before** adding wettable powder.

Maximum permissible rate per acre, expressed as Perthane 4-E, is given in parenthesis, (), after each crop claim.

AIRCRAFT AND GROUND EQUIPMENT WATER RATES PER ACRE

Unless specified for certain crops or claims use the following water rates.

AIRCRAFT APPLICATION

Vegetable & Field Crops—use 1-10 gals. diluted spray per acre.

Orchard Crops—use 5-20 gals. diluted spray per acre.

GROUND EQUIPMENT:

The amount of water needed to treat an acre varies, therefore the following rates are given to cover a broad range of conditions (except as noted for specific crops):

VEGETABLE—20-100 gal. water/acre

FRUIT CROPS—Unless otherwise specified, rate are given in terms of Perthane 4-E per 100 gal. of water for thorough coverage application.



PERTHANE 4-E

AGRICULTURAL INSECTICIDE EMULSIFIABLE LIQUID

ACTIVE INGREDIENTS:

Diethyl Diphenyl Dichloroethane	42.6%	
Related Reaction Products	5.8%	
Xylene Range Aromatic Hydrocarbon Solvent	47.7%	
INERT INGREDIENTS	3.9%	
*T.M. Rohm & Haas Co.	Contains 4 lbs. Perthane per gallon	100.0%

CAUTION HARMFUL IF SWALLOWED

Keep Out of Reach of Children

Avoid breathing spray mist. Avoid contact with skin. In case of contact wash immediately with soap and water. Do not eat, drink, or smoke while using. **Not for use or storage in or around the home.** **COMBUSTIBLE**—Do not use near open flame or heat.

Protect from temperatures below 32° F. Product will freeze at lower temperatures. Warm to store at higher temperatures and mix to reduce viscosity before use.

GAL. NET

MADE IN U.S.A.

STAUFFER CHEMICAL COMPANY

ORLANDO, FLORIDA

RECOMMENDATIONS

CHERRIES

Apply 1-2 quarts of Perthane 4-E per acre in sufficient water to provide good coverage. Repeat applications at 7-10 day intervals if needed, especially if infestation is heavy.

COLE CROPS (Broccoli, Cabbage, Cauliflower, Kohlrabi)

Imported cabbage worms. Apply 1-2 quarts of Perthane 4-E per acre in sufficient water to provide good coverage. Repeat applications at 7-10 day intervals if needed to achieve control.

LETTUCE (Arifala, Iceberg)

Imported cabbage worm. Apply 1-2 quarts of Perthane 4-E per acre in sufficient water to provide good coverage. Repeat applications at 7-10 day intervals if needed to achieve control.

LOT NO.

10-14-70
476-1200

LABEL SPECIMEN

US FOR USE

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**ND GROUND EQUIPMENT WATER
ACRE**

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PLICATION

Field Crops—use 1-10 gals. diluted
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...s—use 5-20 gals. diluted spray per

UIPMENT:

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...range of conditions (except as noted
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**AGRICULTURAL INSECTICIDE
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Not for use or storage in or around the home.

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Protect from temperatures below 32° F. Product crystallizes at lower temperatures. Warm or store at
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MADE IN U.S.A.

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RECOMMENDATIONS — Also read PRECAUTIONS and DIRECTIONS FOR USE

CHERRIES—For control of cherry fruit fly use
1 qt. PERTHANE 4-E in 100 gallons of water.
Thorough coverage applications should be
made beginning when the adult flies appear,
usually just after the blossom buds open. A
second application should be made after the
huck have fallen from the young cherries and
repeated every 10 days or as required to within
10 days of harvest. An additional spray after har
vest is suggested, especially if high tempera
ture or overcast flies active. (2 gal.)

**COLE CROPS (Broccoli, Brussels Sprouts, Cab
bage, Cauliflower, Kohlrabi)**—Cabbage looper,
imported cabbage worm. Apply 1 quart Per
thane 4-E per acre in sufficient water to provide
good coverage. Apply as soon as insects appear.
Repeat applications at 7-10 day intervals or as
needed to achieve control. Do not apply later
than 10 days before harvest. (2 qt.)

LETTUCE—Lettuce looper, cabbage looper, im
ported cabbage worm, leafhoppers—apply 1
quart Perthane 4-E per acre in sufficient water
to provide good coverage. Apply as soon as in
sects appear. Repeat applications at intervals
of 7-10 days, or as needed to maintain control
throughout the growing season. (2 qt.)

LOT NO.

PEARS—For control of pear psylla use 1 quart
of PERTHANE 4-E per 100 gallons of water and
apply sufficient to provide 8 lbs. active ingredi
ent per acre per application. Apply up to 4 cover
sprays starting in late May or early June. The
first two cover sprays should be applied 7 to 14
days apart and if more cover sprays are neces
sary wait 7 days and apply two additional
sprays 7 to 14 days apart. The fourth cover spray
should not be applied more than 7 days prior
to harvest. (4 gal.)

Where necessary for control of overwintering or
early spring pear psylla populations a pre-bloom
application of 3 lb. DDT per acre may be made. To
reduce tree injury from psylla toxin a post har
vest spray of PERTHANE is recommended.

PERTHANE may be used in orchards where
pears are interplanted with apples but do not
use the treated apples in the manufacture of
apple products for livestock feed.

SPINACH—Cabbage looper, leafhoppers— Ap
ply 1 quart Perthane 4-E per acre in sufficient
water to provide good coverage. Apply as soon
as insects appear. Repeat at intervals of 7-10
days or as needed to maintain control. Do not
apply later than 10 days before harvest. (2 qt.)

NOTICE Stauffer Chemical Company makes no warran
ty, express or implied, including the warranties of
merchantability and or fitness for any particular pur
pose, concerning this material, except those which are
contained on Stauffer's label.

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